

L Number	Hits	Search Text	DB	Time stamp
1	102	(422/141,144,145,147,190.cc1s. 48/62r,119,111,198.6,209.cc1s. 110/243.cc1s.) and (gasify gasificat\$) and (biomass carbonaceous) and cyclone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/25 14:02
-	28	(422/\$.cc1s. 48/\$.cc1s. 110/\$.cc1s. 34/\$.cc1s.) and (regen\$) and reaction and cyclone and drier	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/06/25 14:01
-	170	(422/\$.cc1s. 48/\$.cc1s. 110/\$.cc1s. 34/\$.cc1s.) and (biomass) and (annular annulus concentric)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 18:58
-	9	("3892662" "4098200" "4186669" "4213407" "4245569" "4245570" "4311103" "4314513" "4377116").PN.	USPAT	2003/05/22 18:39
-	6	4616572.URPN.	USPAT	2003/05/22 18:42
-	95	(422/\$.cc1s. 48/\$.cc1s. 110/\$.cc1s. 34/\$.cc1s.) and (biomass) and regen\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 18:58
-	6	4405339.URPN.	USPAT	2003/05/22 19:02

L Number	His	Search Ted	DB	Time stamp
	15	48/S.ccls. and (biomass with pyrolysis) and (fluid\$ fluid\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 09:38
	4	4828581.URPN.	USPAT	2003/05/19 16:45
908	3	(*3736117* *3853498* *4592762*).PN.	USPAT	2003/05/19 16:45
	47	422/144.ccls.	USPAT	2003/05/19 16:48
	47	422/144.ccls. and (biomass organic)	USPAT	2003/05/19 16:48
	11	(*2468508* *2477751* *2631090* *2966454* *2985515* *264612* *2527198* *2895908* *2631927* *2650155* *2865067*).PN.	USPAT	2003/05/19 16:52
	8	2646812.URPN.	USPAT	2003/05/19 16:55
	9	(*2358497* *2464812* *2514280* *2526925* *2919241* *4090956* *4152393* *4466207* *4919909*).PN.	USPAT	2003/05/19 17:16
	4	(*2378342* *2477751* *258066* *3721530*).PN.	USPAT	2003/05/19 16:59
	47	422/144.ccls. and (biomass organic)	USPAT	2003/05/19 17:15
	1	6045688.pn.	USPAT	2003/05/19 17:16
	8	(*2358497* *2448135* *2514288* *2515155* *2526926* *2671796* *2512393* *4957617*).PN.	USPAT	2003/05/19 17:17
	8	(*2358497* *2448135* *2514288* *2515155* *2526926* *2671796* *2512393* *4957617*).PN.	USPAT	2003/05/19 17:32
	6	6045688.URPN.	USPAT	2003/05/19 17:32
	9	(*2358497* *2464812* *2514288* *2526925* *2919241* *4090956* *4152393* *4466207* *4919909*).PN.	USPAT	2003/05/19 17:32
	6	(*2514289* *2508526* *2713590* *303955* *3671209* *369892* *373235* *3736233* *3846098*).PN.	USPAT	2003/05/19 17:33
	13	4002438.URPN.	USPAT	2003/05/19 17:37
	6	4165570.URPN.	USPAT	2003/05/19 17:39
	3	(*2204001* *2925334* *4002438*).PN.	USPAT	2003/05/19 17:41
122		forium.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 09:38
	21	forium.as. and fluidized	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 09:41
	5	(*1897195* *3885933* *4546709* *5665949* *6022309*).PN.	USPAT	2003/05/20 09:39
1205		nest.eas.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 09:41
	50	nest.eas. and fluidized	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 11:20
	14	4344770.pn. 4101412.pn. 3148227.pn. 6045688.pn. 252925.pn. 4152393.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 11:36

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	376	48/S.ccls. and (biomass organic wood straw thinning willow hay miscanthus agricultur\$ crop leaf RDF) and (fluid\$ fluid\$ fluid\$) and (regen\$ combust\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 11:38
	176	48/S.ccls. and (biomass organic wood straw thinning willow hay miscanthus agricultur\$ crop leaf RDF) and (fluid\$ fluid\$ fluid\$) and (regen\$ combust\$) and pyroly\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 13:06
	8	(*3454881* *4044851* *4358227* *4388082* *4405339* *4436037* *4442427* *4505230*).PN.	USPAT	2003/05/20 11:47
	10	(*211195* *2527197* *2527198* *2761769* *3902856* *4338233*).PN.	USPAT	2003/05/20 11:49
	6	4405339.URPN.	USPAT	2003/05/20 11:50
	359	48/209.ccds.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 13:06
	73	48/209.ccds. and cyclone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 13:16
	12	(*1432170* *1954352* *2655443* *2689786* *2707444* *2730104* *2767840* *2846381* *3064611* *3541003* *3655510* *3853498*).PN.	USPAT	2003/05/20 13:12
	258	49/111.cctx.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 13:33
	203	422/147.ccds. and cyclone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 13:35
	8	(422/147.ccds. and cyclone) and (fourier transform sin\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 13:36
	9	(*1265763* *2054411* *2885272* *2962362* *3026166* *3465014* *3677715* *3798877* *4061476*).PN.	USPAT	2003/05/20 13:38
	660	422/196-197.ccts.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 14:21
	102	422/196-197.ccds. and (pyroly\$ gasif\$ fluid\$ fluid\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 14:34
	17	biomass same pyrolysis and cyclone and (annulus annular concentric) and (regen\$ combust\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 14:42
	401	48/S.ccls. and (concentric annular annulus dipleg) and (biomass wood organic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 14:42
	185	(48/S.ccls. and (concentric annular annulus dipleg) and (biomass wood organic) and (cyclone separator swirl)) and (gasif\$ pyroly\$ regen\$ combust\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 14:43
	180	((48/S.ccls. and (concentric annular annulus dipleg) and (biomass wood organic) and (cyclone separator swirl)) and (gasif\$ pyroly\$ regen\$ combust\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 17:55
	5	(*397947* *4273619* *5089457* *5190901* *5406582*).PN.	USPAT	2003/05/20 14:46

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	13	(*2598169* *2821113* *3978446* *3980451* *4198212* *4233275* *4613344* *4714109* *4793292* *4865625* *4936872* *5226475*).PN.	USPAT	2003/05/20 14:52
	5	5626744.URPN.	USPAT	2003/05/20 14:55
	5	(*4033117* *4149859* *4198212* *4233275* *4307731*).PN.	USPAT	2003/05/20 15:06
	26	4145688.URPN.	USPAT	2003/05/20 15:08
	17	(*4145688* *4198212* *4233275* *4307731*).PN.	USPAT	2003/05/20 16:05
	11	(*1840449* *1913968* *2498098* *2537153* *2892772* *3226607* *3461634* *3604606* *384333* *3855077* *3855077*).PN.	USPAT	2003/05/20 16:07
	1	2692772.URPN.	USPAT	2003/05/20 16:08
	7	(dryer with (concentric annular annulus) and (pyroly\$ gasif\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/20 17:58
	214	48/S.ccls. and (dryer drying) and (gasif\$ pyroly\$) and (fluid\$ fluid\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 15:28
	3	(*3565204* *4113446* *4500323*).PN.	USPAT	2003/05/21 14:14
	6	5015135.URPN.	USPAT	2003/05/21 14:15
	4	(*0927410* *2050180* *4082520* *4153426*).PN.	USPAT	2003/05/21 14:18
	2	5265403.URPN.	USPAT	2003/05/21 14:18
	8	(*3936497* *2567676* *283382* *2898442* *384333* *3993437* *4040181* *4142687*).PN.	USPAT	2003/05/21 15:10
821		dryer with (annular annulus concentric)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 15:28
	140	(dryer with (annular annulus concentric)) and (fluid\$ fluid\$ pyroly\$ combust\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 15:29
	38	((dryer with (annular annulus concentric)) and (fluid\$ pyroly\$ combust\$)) and (biomass organic carbon carbonaceous)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 16:23
	203	dryer with (gasif\$ pyroly\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 16:23
	9	(*1198638* *2121622* *2286309* *3772992* *4050390* *4116136* *4156394* *4201414* *4215637*).PN.	USPAT	2003/05/21 16:34
	4	2286309.URPN.	USPAT	2003/05/21 16:38
	6	(*351321* *2286309* *2318120* *2213668* *3351030* *351321*).PN.	USPAT	2003/05/21 16:39
	5	(*0562045* *2560553* *2577659* *3618540* *4060422*).PN.	USPAT	2003/05/21 16:58
	3	(*3717576* *4040359* *4033117*).PN.	USPAT	2003/05/21 17:02
	8	4004350.URPN.	USPAT	2003/05/21 17:03
	2	(*3266775* *3912466*).PN.	USPAT	2003/05/21 17:09
	11	(*2468508* *2477751* *2631090* *2966454* *2985515* *264612* *2527198* *2895908* *2631927* *2650155* *2855846*).PN.	USPAT	2003/05/21 17:23
	78	422/146.ccls. and (dryer moist moisture)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 17:45
	54	(422/146.ccls. and (feed\$ with (dryer drier)) and (pyrol\$ gasif\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 17:51

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	4	422/197.ccls. and (dryer drier)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 17:51
	337	34/S.ccls. and (pyrol\$ gasif\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 18:37
	86	(34/S.ccls. and (pyrol\$ gasif\$)) and (annular concentric annulus)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 18:18
	104	(34/S.ccls. and (pyrol\$ gasif\$)) and (organic biomass)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/21 18:37
	164	422/141.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 11:44
	15	(*1765927* *1594947* *267959* *275959* *2760910* *2923950* *3235607* *3556227* *4036779* *4464247* *4476160* *4481103* *4574021* *4740216* *4925632*).PN.	USPAT	2003/05/22 11:27
	8	(*2560767* *2626234* *2832725* *3117064* *3663421* *4081918* *42124092* *4419215*).PN.	USPAT	2003/05/22 11:31
	15	4464247.URPN.	USPAT	2003/05/22 11:32
	2	(*2337684* *3724176* *4909993* *5221301*).PN.	USPAT	2003/05/22 11:36
	4	(*2684124* *3350867* *4167819*).PN.	USPAT	2003/05/22 11:37
	3	(*2684124* *3350867* *4167819*).PN.	USPAT	2003/05/22 11:39
	267	422/142.ccls. not 422/141.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 11:44
	78	(422/142.ccls. not 422/141.ccls.) and (annular annulus concentric cylind\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 11:44
	94	(422/142.ccls. not 422/141.ccls.) and (annular annulus riser concentric cylind\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 13:15
	253	422/147.ccls. and (heat heating heater preheat preheating preheater (pre heat dry heating))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 13:37
	14	(*3053752* *4173527* *4295961* *4364905* *4390503* *4624772* *4664889* *4721603* *4737346* *4766622* *4792437* *4793315* *4869800* *4963328*).PN.	USPAT	2003/05/22 13:34
	2207	5552120.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 13:35
	2	((fluid\$ fluid\$) and (regen\$ combust\$) and (drier dry preheat preheat preheating) and (gasif\$ pyroly\$ reaction) and (separat cyclone) and (biomass carbonaceous organic))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 13:39
	531	((fluid\$ fluid\$) and (regen\$ combust\$) and (drier dry preheat preheat preheating) and (gasif\$ pyroly\$ reaction) and (separat cyclone) and (biomass carbonaceous organic)) and (concentric\$ annul\$) and (@pyr<=1999	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 13:39
	408	((fluid\$ fluid\$) and (regen\$ combust\$) and (drier dry preheat preheat preheating) and (gasif\$ pyroly\$ reaction) and (separat cyclone) and (biomass carbonaceous organic)) and (concentric\$ annul\$) and (@pyr<=1999	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 16:54

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51	"1479853" "1828691" "2135332" "2150814" "2233421"	USPAT	2003/05/22 14:08
	"2567703" "2651601" "2695264" "2752407" "2910419"		
	"2844452" "2862870" "2900327" "2937987" "2981747"		
	"3156642" "3170863" "33056839" "3310108" "3320154"		
	"3412011" "3443974" "3442333" "3523071" "3730931"		
	"3767564" "3775298" "3803259" "3948755" "3989618"		
	"4044937" "4058340" "4220308" "4266359" "4304845"		
	"4334971" "4345491" "4379171" "4412208" "4432447"		
	"4448955" "4448012" "4465584" "4469587" "4476705"		
	"4491101" "4508614" "4560467" "4631384" "4671351"		
	"4741366" PN.		
97	435/295.2.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 17:09
469	110/224-225.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 17:09
20	110/224-225.ccls. and regen\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 17:09
250	110/224-225.ccls. and (pyrol\$ gasif\$ regen\$ combust\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 17:24
237	110/230.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 17:25
291	208/409-410.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 17:55
4	3440162.URPN.	USPAT	2003/05/22 17:47
4	3346491.URPN.	USPAT	2003/05/22 17:48
137	422/192.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/22 17:56
9	2517525.URPN.	USPAT	2003/05/22 18:01

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